



Rick's
SIGNATURE ACCESSORIES

Billet Pulley Installation Instructions

Tools Required

- 10mm Socket
- 14mm Socket
- 22mm Socket (Impact)
- Socket Wrench
- Impact Wrench

Cautions

To avoid mistakes, please read these directions fully before beginning. Study the parts and pictures to make sure you know how to reassemble the parts you remove. The Helms manual process for removal of the Alternator Pulley does not work easily. Use an impact wrench for this pulley removal and reinstallation.

Billet Pulley Installation Process



Figure 1 Water Pump Pulley Bolts

1. Using a 10mm socket, loosen but do not remove the 3 water pump pulley bolts.
Note: It is just easier to do while there is some resistance holding the pulley from spinning.



Figure 2 Auto-Tension Pulley

2. Using a 14mm socket push the Auto-Tension pulley down in the direction of the arrow to get the slack needed to remove the belt. The bolt is threaded *Left-Handed*.
3. It is not necessary to remove the belt completely; you can just move it out of the way.



Figure 3 Auto-Tension Pulley Removal

4. Using a 14mm socket remove the Auto-Tension pulley. To loosen the bolt, turn in the direction of the arrows. The bolt is threaded *Left-Handed*, it loosens to the right.



Figure 4 Auto-Tension Pulley Replaced

5. Once the stock pulley is removed place the new one on with the big side of the bearing is pointing to the front... like the picture. The back of the pulley has a deep groove in it.



Figure 5 Auto-Tension Pulley Bolt

6. Place the provided washer/cap on the bolt with the little hat pointing up as shown. Thread the bolt back into its hole and tighten. Remember that this is a left-handed thread so to tighten turn to the left. Torque to 31 ft/lbs.



Figure 6 Idler Pulley

7. Remove the Idler pulley using a 14mm socket. This is a regular thread so turn left to loosen.



Figure 7 Idler Pulley Bushing

8. On the back of the pulley there is a metal bushing you need. It pops right out. Hold on to that along with the bolt and washer from the front of the pulley. The picture above shows the bushing.



Figure 8 Idler Pulley Bolt

9. Prepare the new idler pulley for installation. It goes together exactly the same as the stock idler pulley. Place the new pulley with the small side of the bearing up. Place the bushing into the bearing. (This is the back of the pulley) Now put the washer/cap on the bolt with the hat up and then place the regular washer on the bolt. Slide the bolt through the front of the pulley and thread back into position. Torque to 33 ft/lbs.



Figure 9 Water Pump Pulley

10. Remove the water pump pulley, which you loosened previously in step 1. Replace with the new pulley and get the bolts hand tight. Torque each bolt to 10ft/lbs.



Figure 10 Alternator Pulley

11. Using an impact wrench. (If you don't own one yourself, find a friend or a shop that does). Remove the nut, take the pulley off and replace it with the new one. Thread the nut back on by hand and use the impact wrench to tighten. Torque to 81.7 ft/lbs.



Figure 11 Complete

12. Wind the belt around the appropriate pulleys and use the 14mm socket push down on the auto tension pulley to give you slack in the belt. If you have not already tightened the water pump pulley bolts do so now.

You are done. Close the hood, put key in car, push button and have fun

